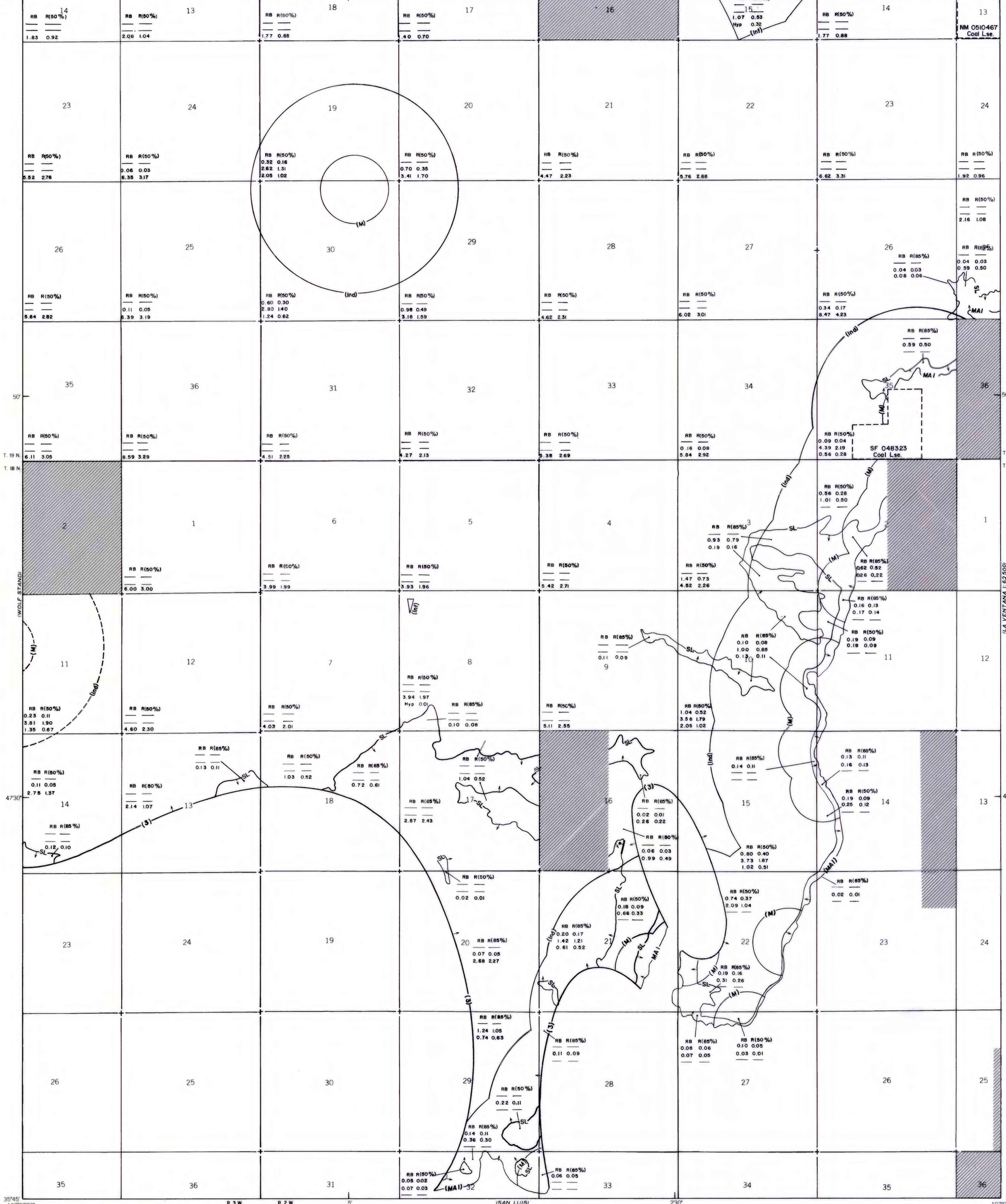


This report has not been edited
for conformity with Geological
Survey editorial standards or
stratigraphic nomenclature.



NOTE: BLM coal ownership data
current as of Oct. 26, 1978.

ARROYO EMPEDRADO

Base from U.S. Geological Survey, 1961

Compiled in 1978

LA VENTANA

TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN
DECLINATION, 1961
13°5'

SCALE 1:24,000
0 1000 2000 3000 4000 5000 6000 7000 FEET
1 MILE
1 KILOMETER

NEW MEXICO
QUADRANGLE LOCATION

COAL RESOURCE OCCURRENCE MAP OF THE HEADCUT RESERVOIR
QUADRANGLE, SANDOVAL COUNTY, NEW MEXICO
BY
BERGE EXPLORATION, INC.
1979

PLATE 19
AREAL DISTRIBUTION AND
IDENTIFIED RESOURCES OF THE
MENESEE ALLISON NO.1 COAL BED

EXPLANATION

NON-FEDERAL COAL LAND—Land for which the Federal Government does not own the coal rights.

STRIPPING LIMIT LINE—Boundary for surface mining (in this quadrangle, the 200 foot - 61 meter - overburden isopach). Arrows point toward the area suitable for surface mining. Recovery factor of 85 percent used within the stripping limit.

BOUNDARY OF IDENTIFIED RESERVE
BASE COAL—Drawn along the coal outcrop (MAI) and the 3 foot (0.9 meter) coal isopach. Arrow points toward area of identified Reserve Base coal.

RB R(85%)

0.20 0.17 (Measured resources)

1.42 1.21 (Indicated resources)

0.61 0.52 (Inferred resources)

IDENTIFIED COAL RESOURCES—Showing totals for Reserve Base (RB) and Reserves (R), in millions of short tons, for each section of Federal coal land within the stripping limit line. Dash indicates no resources within that category. Reserve Base (RB) x the Recovery Factor (85 percent) = Reserves (R).

RB R(50%)

0.09 0.04 (Measured resources)

4.39 2.19 (Indicated resources)

0.56 0.28 (Inferred resources)

Hyp 0.32 (Hypothetical resources)

IDENTIFIED COAL RESOURCES—Showing totals for Reserve Base (RB) and Reserves (R), in millions of short tons, for each section of Federal coal land outside the stripping limit line. Dash indicates no resources within that category. Reserve Base (RB) x the Recovery Factor (50 percent) = Reserves (R).

RB R(50%)

0.09 0.04 (Measured resources)

4.39 2.19 (Indicated resources)

0.56 0.28 (Inferred resources)

Hyp 0.32 (Hypothetical resources)

IDENTIFIED COAL RESOURCES—Showing totals for Reserve Base (RB) and Reserves (R), in millions of short tons, for each section of Federal coal land outside the stripping limit line. Dash indicates no resources within that category. Reserve Base (RB) x the Recovery Factor (50 percent) = Reserves (R).

BOUNDARY LINES—Enclosed areas of measured (M), indicated (Ind) and inferred (Inf) coal resources. Dashed where projected from adjacent quadrangle. Coal resources outside the 3-mile radius are hypothetical.

FAULT—Bar and bell on downthrown side.

To convert short tons to metric tons, multiply short tons by 0.9072.

To convert miles to kilometers, multiply miles by 1.609.

NOTE: This plate does not show the areal distribution or quantity of subeconomic resources present in this quadrangle.